

**ABSTRACT of the DISCLOSURE.**

The machine comprises: a conveyor system for continuous supply of a tube at a constant velocity and in a longitudinal direction of the tube; a cutting slide which bears a shearing devices predisposed to section the tube transversally and in successive tracts thereof; means for activating which impose a linear  
5 alternating motion on the cutting slide without stopping, between an initial position and a final position along a parallel direction with respect to the longitudinal direction of transport of the tube. The motion comprises an outward run, from the initial position to the final position, at least a tract of which occurs in synchrony with an advancement of the tube and during which  
10 the tube is sectioned, and a return run, following which the cutting slide is brought back into the initial position. Both the outward run and the return run comprise an acceleration tract, a constant velocity tract and a deceleration tract. The means for activating impose on the cutting slide an alternating linear motion with no stops following a law of motion in which acceleration is a  
15 derivable function.